

REMARKS

In the Office Action mailed December 28, 2005, claims 1-5, 7-13 and 15-18 were rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (U.S. Patent No. 5,090,613)(previously cited) or Kurokuzuhara (JP 63-271845)(previously cited). The foregoing rejections are respectfully traversed.

Claims 1-5, 7-13 and 15-18 are currently pending and under consideration. Reconsideration is respectfully requested.

At page 3 of the Office Action, the Examiner admits that neither of the foregoing references, relied upon, discuss "wherein each of the vanes is plated with a brazing material, having a plating depth of about 2.25 μm to 8 μm , to be brazed to one or more of the anode cylinder, of the one or more strap rings and of the antenna," as recited in claim 1, for example. However, the Examiner asserts that it would be obvious to modify Lee or Kurokuzuhara to use "just enough of the brazing material for a good brazing process". The Applicant respectfully disagrees.

The Applicant respectfully submits that neither of these references discusses "a plating depth" of the vanes. Therefore, it would not be obvious to modify these references to include "each of the vanes is plated with a brazing material, having a plating depth of about 2.25 μm to 8 μm " as recited in claim 1, for example.

Further, by claiming "a plating depth of about 2.25 μm to 8 μm ," as recited in claim 1 as in claim 1, the present invention prevents problems as disclosed in paragraph [0031] of the specification and FIG. 3, such as components parts which must be brazed are not being brazed due to a shortage of brazing material, and excessive brazing material remaining on surfaces of the component parts, thereby negatively affecting surface accuracies thereof and an overall performance of the magnetron.

Independent claims 7, 15 and 16 recite similar features as those of claim 1.

Again, dependent claims 2-5, 8-13, 17-18 disclose patentably distinguishing features of their own. For example, claim 4 recites "the brazing material contains silver of 72 \pm 2% in a weight ratio of the brazing material with copper providing a remaining percentage thereof".

Therefore, the Applicant respectfully submits that Lee and Kurokuzuhara, individually, fail to establish a *prima facie* case of obviousness over the present invention.

Withdrawal of the rejection is respectfully requested.

If there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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